

8.1 Exponent Worksheet
DAY 1

Name _____

1. $(x^3)^2$

2. $(a^4b^5)^3$

3. $(b^5c^2)^4$

4. $(2^4)^2$

5. $(2a^2b^4)^3$

6. $(3x^5y^2)^2$

7. $(-4a^3)^2$

8. $\left(\frac{1}{2}x^5\right)^2$

9. $(2c^5de^3)^4$

10. $(x^3)^y$

11. $(a^x)^2$

12. $(5t^3v^2)^2$

13. $(a^2b^3)(a^5b^8)$

14. $(2x^4y)(6x^7y^5)$

15. $(2x^3)(x^4)^2$

$$16. (5a^2)(2a^5)^3$$

$$17. (4x^3)^2 \cdot (3x^5)^2$$

$$18. (a^4b^5)^3(a^3b)^4$$

$$19. (2a^4b^5)^3(a^4b^2)^5$$

$$20. (6x^4)^2 \left(\frac{1}{2}x^3 \right)^2$$

$$21. (-5a^2)^2(5a^3)$$

$$22. (x^3y^4)^2(xy^2)^3(x^2y^3)^2$$

$$23. (3a^2b^4)^3 + (2a^3b^6)^2$$

$$24. (3c^2d^4)^2 - (5cd^2)^4$$

$$25. (2a^2b^3)^4 - (3a^4b^6)^2$$